

SECTION G - CONTRACT ADMINISTRATION DATA

1. PAYMENT AND INVOICE INSTRUCTIONS (COST REIMBURSEMENT)

1.1 Submission of Invoices

(a) "Invoice" as used in this clause includes contractor requests for interim payments using public vouchers (SF 1034).

(b) The Contractor shall submit invoices and any necessary supporting documentation, in an original and 4 copies, to the contract auditor* at the following address:

Defense Contract Audit Agency
Eastern Region
Northern Ohio Branch Office
10100 Brecksville Road, Suite A
Brecksville, OH 44141
Attn: Warren Lee
Phone: (216) 706-2515

unless delivery orders are applicable, in which case invoices will be segregated by individual order and submitted to the address specified in the order. In addition, an information copy shall be submitted to the Program Officer identified in Section F.

Following verification, the contract auditor* will forward the invoice to the designated payment office for payment in the amount determined to be owing, in accordance with the applicable payment (and fee) clause(s) of this contract.

(c) Invoices requesting interim payments shall be submitted no more than once every two weeks, unless another time period is specified in the Payments clause of this contract. For indefinite delivery type contracts, interim payment invoices shall be submitted no more than once every two weeks for each delivery order. There shall be a lapse of no more than 30 calendar days between performance and submission of an interim payment invoice.

(d) In addition to the information identified in the Prompt Payment clause herein, each invoice shall contain the following information, as applicable:

- (1) Contract line item number (CLIN)
- (2) Subline item number (SLIN)
- (3) Accounting Classification Reference Number (ACRN)
- (4) Payment terms
- (5) Procuring activity
- (6) Date supplies provided or services performed
- (7) Costs incurred and allowable under the contract
- (8) Vessel (e.g., ship, submarine or other craft) or system for which supply/service is provided

(e) A DD Form 250, "Material Inspection and Receiving Report",

_____ is required with each invoice submittal.

 X is required only with the final invoice.

_____ is not required.

(f) The Contractor's final invoice shall be identified as such, and shall list all other invoices (if any) previously tendered under this contract.

1.2 Submission of Invoices Direct to Payment Office

(a) Pursuant to DFARS 242.803(b)(1)(C), if the cognizant Government auditor has notified the contractor of its authorization to do so, the contractor may submit interim vouchers under this contract direct to the payment office shown in Block 12 of SF-26 instead of to the address shown in subparagraph (b) of section 1.1 above.

(b) Such authorization does not extend to the first and final vouchers. The contractor shall continue to submit first vouchers to the cognizant auditor shown in subparagraph (b) of section 1.1 above. The final voucher shall be submitted to the Administrative Contracting Officer (SF-26 block 6) with a copy to the cognizant auditor.

1.3 Payment Instructions for CLINs with Multiple ACRNs/Lines of Accounting

For all invoices submitted against CLINs with multiple Accounting Classification Reference Numbers (ACRNs), the billing shall be paid from the earliest Fiscal Year (FY) appropriation first (e.g., FYX0 funding shall be completely exhausted before any FYX1 funds are paid). In the event there are multiple ACRNs with the same FY of appropriation, billings shall be proportionally billed to all ACRNs for that FY in the same ratio that the ACRNs are obligated.

1.4 Payment of Allowable Costs and Fixed Fee

As consideration for the proper performance of the work and services required under this contract, the Contractor shall be paid as follows:

(a) Costs, as provided for under the contract clause entitled "Allowable Cost and Payment," not to exceed the amount set forth as "Estimated Cost" in Section B, subject to the contract clause entitled "Limitation of Cost" or "Limitation of Funds" whichever is applicable.

(b) A fixed fee in the amount set forth as "Fixed Fee" in Section B, in accordance with the contract clause FAR 52.216-8 Fixed Fee, which shall be paid upon completion of the work and services required under this contract and upon final acceptance by the Contracting Officer; however, the Contractor may bill on each voucher the amount of the fee bearing the same percentage to the total fixed fee as the amount of cost billed bears to the total estimated cost not to exceed the amount set forth as "Estimated Cost" in Section B, subject to the contract clause entitled "Limitation of Cost" or "Limitation of Funds" whichever applies.

(c) In accordance with the authority contained in FAR 52.216-8 Fixed Fee, the Contractor shall withhold 10% of the fixed fee amount as set forth in Section B or \$100,000.00, whichever is less, as a reserve. The ACO is authorized to release 75% of the fixed fee reserve upon acceptance of the final deliverables identified in Section F of this contract. The remainder 25% of the fixed fee reserve will be

released after completion of any final audits, submission of the final patent and royalty reports and if the contractor is not delinquent in submitting final vouchers for prior years' settlements.

1.5 Allotment of Funds

(a) It is hereby understood and agreed that this contract will not exceed a total amount of \$564,968.00; including an estimated cost of [REDACTED] and a fixed fee of [REDACTED]

(b) The total amount presently available for payment and allotted to CLIN 0001 of this contract is [REDACTED]; including an estimated cost of [REDACTED] and a fixed fee of [REDACTED]. It is estimated that the amount allotted of [REDACTED] will cover the period from date of award through 15 December 2004.

2. PROCURING OFFICE REPRESENTATIVES

(a) In order to expedite administration of this contract, the Administrative Contracting Officer should direct inquiries to the appropriate office listed below. Please do not direct routine inquiries to the person listed in Item 20A on Standard Form 26.

Contract Negotiator – Brian K. Murphy, ONR 254, 703-696-0030, DSN 426-0030, and E-Mail Address: brian_murphy@onr.navy.mil

Inspection and Acceptance – Luise Couchman, ONR 334, 703-696-0786, DSN 426-0786, and E-Mail Address: Luise_Couchman@onr.navy.mil

Security Matters - Ms. Jennifer Ramsey, ONR 43, (703) 696-4618, DSN 426-4618

Patent Matters - Mr. Tom McDonnell, ONR 00CC, (703) 696-4000, DSN 426-4000.

(b) The Administrative Contracting Officer will forward invention disclosures and reports directly to Corporate Counsel (Code 00CC), Office of Naval Research, Department of the Navy, Ballston Tower One, 800 North Quincy Street, Arlington, Virginia 22217-5660. The Corporate Counsel will return the reports along with a recommendation to the Administrative Contracting Officer. The Corporate Counsel will represent the Contracting Officer with regard to invention reporting matters arising under this contract.

3. TYPE OF CONTRACT

This is a cost-plus-fixed-fee completion contract.

SECTION H - SPECIAL CONTRACT REQUIREMENTS

1. ONR 5252.235-9714 REPORT PREPARATION (FEB 2002)

Scientific or technical reports prepared by the Contractor and deliverable under the terms of this contract will be prepared in accordance with format requirements contained in ANSI/NISO Z39.18-1995, Scientific and Technical Reports: Elements, Organization, and Design.

[NOTE: All NISO American National Standards are available as free, downloadable pdf(s) at <http://www.niso.org/standards/index.html>. NISO standards can also be purchased in hardcopy form from NISO Press Fulfillment, P. O. Box 451, Annapolis Junction, MD 20701-0451 USA. Telephone U.S. and Canada: (877) 736-6476; Outside the U.S. and Canada: 301-362-6904
Fax: 301-206-9789.]

2. **ONR 5252.210-9708 METRICATION REQUIREMENTS (DEC 1988)**

(a) All scientific and technical reports delivered pursuant to the terms of this contract shall identify units of measurement in accordance with the International System of Units (SI) commonly referred to as the "Metric System". Conversion to U.S. customary units may also be given where additional clarity is deemed necessary. Guidance for application of the metric system is contained in the American Society of Testing Materials document entitled "Standard Practice for Use of the International System of Units (The Modernized Metric System)" (ASTM Designation E 380-89A)

(b) This provision also applies to journal article preprints, reprints, commercially published books or chapters of books, theses or dissertations submitted in lieu of a scientific and/or technical report.

3. **Invention Disclosures and Reports**

The Contractor shall submit all invention disclosures and reports required by the Patent Rights clause of this contract to the Administrative Contracting Officer.

4. **ONR 5252.237-9705 Key Personnel (DEC 88)**

(a) The Contractor agrees to assign to the contract tasks those persons whose resumes were submitted with its proposal and who are necessary to fulfill the requirements of the contract as "key personnel". No substitutions may be made except in accordance with this clause.

(b) The Contractor understands that during the first ninety (90) days of the contract performance period, no personnel substitutions will be permitted unless these substitutions are unavoidable because of the incumbent's sudden illness, death or termination of employment. In any of these events, the Contractor shall promptly notify the Contracting Officer and provide the information described in paragraph (c) below. After the initial ninety (90) day period the Contractor must submit to the Contracting Officer all proposed substitutions, in writing, at least 30 days in advance 60 days if security clearance must be obtained) of any proposed substitution and provide the information required by paragraph (c) below.

(c) Any request for substitution must include a detailed explanation of the circumstances necessitating the proposed substitution, a resume for the proposed substitute, and any other information requested by the Contracting Officer. Any proposed substitute must have qualifications equal to or superior to the qualifications of the incumbent. The Contracting Officer or his/her authorized representative will evaluate such requests and promptly notify the Contractor in writing of his/her approval or disapproval thereof.

(d) In the event that any of the identified key personnel cease to perform under the contract and the substitute is disapproved, the contract may be immediately terminated in accordance with the Termination clause of the contract.

The following are identified as key personnel:

Labor Category	First/M/Last Name
Principal Investigator	[REDACTED]

5. **ONR 5252.242-9718 TECHNICAL DIRECTION (FEB 2002)**

(a) Performance of the work hereunder is subject to the technical direction of the Program Officer/COR designated in this contract, or duly authorized representative. For the purposes of this clause, technical direction includes the following:

(1) Direction to the Contractor which shifts work emphasis between work areas or tasks, requires pursuit of certain lines of inquiry, fills in details or otherwise serves to accomplish the objectives described in the statement of work;

(2) Guidelines to the Contractor which assist in the interpretation of drawings, specifications or technical portions of work description.

(b) Technical direction must be within the general scope of work stated in the contract. Technical direction may not be used to:

- (1) Assign additional work under the contract;
- (2) Direct a change as defined in the contract clause entitled "Changes";
- (3) Increase or decrease the estimated contract cost, the fixed fee, or the time required for contract performance; or
- (4) Change any of the terms, conditions or specifications of the contract.

(c) The only individual authorized to in any way amend or modify any of the terms of this contract shall be the Contracting Officer. When, in the opinion of the Contractor, any technical direction calls for effort outside the scope of the contract or inconsistent with this special provision, the Contractor shall notify the Contracting Officer in writing within ten working days after its receipt. The Contractor shall not proceed with the work affected by the technical direction until the Contractor is notified by the Contracting Officer that the technical direction is within the scope of the contract.

(d) Nothing in the foregoing paragraphs may be construed to excuse the Contractor from performing that portion of the work statement which is not affected by the disputed technical direction.

SECTION I - CONTRACT CLAUSES

COST-PLUS-FIXED-FEE (19 Feb 2004)

(A) FAR 52.252-02 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at these addresses:

<http://www.arnet.gov/far/>

http://farsite.hill.af.mil/farsite_script.html

For instance, a dollar threshold may trigger the applicability of the clause or a certain condition of the research may trigger the applicability of the clause. In order to provide some assistance, as to when a dollar threshold triggers a clause, we have associated certain symbols with dollar thresholds. The symbols and their appropriate dollar thresholds are as follows:

- * Applies when contract action exceeds \$10,000

- ** Applies when contract action exceeds \$100,000
- + Applies when contract action exceeds \$500,000
- ++ Applies when contract action exceeds \$500,000 and subcontracting possibilities exist. Small Business Exempt.
- x (DD 250)
- xx Not applicable

I. FEDERAL ACQUISITION REGULATION (FAR) (48 CFR CHAPTER 1) CLAUSES:

**	FAR 52.202-1	Definitions (DEC 2001)
**	FAR 52.203-3	Gratuities (APR 1984)
**	FAR 52.203-5	Covenant Against Contingent Fees (APR 1984)
**	FAR 52.203-6	Restrictions on Subcontractor Sales to the Government (JUL 1995)
**	FAR 52.203-7	Anti-Kickback Procedures (JUL 1995)
**	FAR 52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity (JAN 1997)
**	FAR 52.203-10	Price or Fee Adjustment for Illegal or Improper Activity (JAN 1997)
**	FAR 52.203-12	Limitation on Payments to Influence Certain Federal Transactions (JUN 2003)
**	FAR 52.204-4	Printing/Copying Double-Sided on Recycled Paper (AUG 2000)
	FAR 52.204-7	Central Contractor Registration (OCT 2003)
	FAR 52.211-15	Defense Priority and Allocation Requirements (SEP 1990)
**	FAR 52.215-2	Audit and Records - Negotiation (JUN 1999) and Alternate II (APR 1998) (Alternate II is only applicable with cost reimbursement contracts with State and local Governments, educational institutions, and other non-profit organizations.)
	FAR 52.215-8	Order of Precedence - Uniform Contract Format (OCT 1997)
+	FAR 52.215-10	Price Reduction for the Defective Cost or Pricing Data (OCT 1997) (The clause is applicable to subcontracts over \$550,000.)
+	FAR 52.215-12	Subcontractor Cost or Pricing Data (OCT 1997) (Applicable to subcontracts over \$550,000 only)
**	FAR 52.215-14	Integrity of Unit Prices (OCT 1997) and Alternate I (OCT 1997) (Alternate I is applicable if the action is contracted under Other Than Full and Open Competition)
+	FAR 52.215-15	Pension Adjustments and Asset Reversions (DEC 1998)
+	FAR 52.215-18	Reversion or Adjustment of Plans for Postretirement Benefits (PRB) Other than Pensions (OCT 1997)
+	FAR 52.215-19	Notification of Ownership Changes (OCT 1997) (Applicable when Cost or Pricing Data is required)
	FAR 52.216-7	Allowable Cost and Payment (DEC 2002)
	FAR 52.216-8	Fixed Fee (MAR 1997)

**	FAR 52.219-4	Notice of Price Evaluation Preference for HUBzone Small Business Concerns (JAN 1999)
**	FAR 52.219-8	Utilization of Small Business Concerns (OCT 2000)
++	FAR 52.219-9	Small Business Subcontracting Plan (JAN 2002)
++	FAR 52.219-16	Liquidated Damages - Subcontracting Plan (JAN 1999)
	FAR 52.222-1	Notice to the Government of Labor Disputes (FEB 1997)
**	FAR 52.222-2	Payment for Overtime Premiums (JUL 1990) (Note: The word "zero" is inserted in the blank space indicated by an asterisk)
	FAR 52.222-3	Convict Labor (JUN 2003) (Reserved when FAR 52.222-20 Walsh Healy Public Contracts Act is applicable)
**	FAR 52.222-4	Contract Work Hours and Safety Standards Act - Overtime Compensation (SEP 2000)
	FAR 52.222-21	Prohibition of Segregated Facilities (FEB 1999)
	FAR 52.222-26	Equal Opportunity (APR 2002)
*	FAR 52.222-35	Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001)
*	FAR 52.222-36	Affirmative Action for Workers with Disabilities (JUN 1998)
*	FAR 52.222-37	Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001)
**	FAR 52.223-14	Toxic Chemical Release Reporting (AUG 2003)
	FAR 52.225-13	Restrictions on Certain Foreign Purchases (JAN 2004)
	FAR 52.227-1	Authorization and Consent (JUL 1995) and Alternate I (APR 1984)
**	FAR 52.227-2	Notice and Assistance Regarding Patent and Copyright Infringement (AUG 1996)
	FAR 52.228-7	Insurance Liability to Third Persons (MAR 1996) (Further to paragraph (a)(3), unless otherwise stated in this contract, types and limits of insurance required are as stated in FAR 28.307-2)
	FAR 52.232-9	Limitation on Withholding of Payments (APR 1984)
**	FAR 52.232-17	Interest (JUN 1996)
	FAR 52.232-23	Assignment of Claims (JAN 1986) and Alternate I (APR 1984)
	FAR 52.232-25	Prompt Payment (OCT 2003) and Alternate I (FEB 2002) (The words "the 30 th day" are inserted in lieu of "the 7 th day" at (a) (5) (i). [When Alternate I is applicable (a)(5)(i) does do not apply] [Alternate I applies when awarding a cost reimbursement contract for services])
	FAR 52.232-33	Payment by Electronic Funds Transfer - Central Contractor Registration (OCT 2003)
	FAR 52.233-1	Disputes (JULY 2002)
	FAR 52.233-3	Protest After Award (AUG 1996) and Alternate I (JUN 1985)
	FAR 52.242-1	Notice of Intent to Disallow Costs (APR 1984)

+	FAR 52.242-3	Penalties for Unallowable Costs (MAY 2001)
	FAR 52.242-4	Certification of Final Indirect Costs (JAN 1997)
**	FAR 52.242-13	Bankruptcy (JUL 1995)
	FAR 52.242-15	Stop Work Order (AUG 1989) and Alternate I (APR 1984)
	FAR 52.244-2	Subcontracts (AUG 1998) and Alternate I (AUG 1998) [Insert in cost-reimbursement contracts, and letter, time-and-material, and labor-hour contracts exceeding SAP, and fixed price contracts exceeding SAP where unpriced actions are anticipated. Use Alternate I for cost-reimbursement contracts]
**	FAR 52.244-5	Competition in Subcontracting (DEC 1996)
	FAR 52.244-6	Subcontracts for Commercial Items and Commercial Components (APR 2003)
	FAR 52.245-5	Government Property (Cost-Reimbursement, Time-and-Materials, or Labor-Hour Contracts) (JUN 2003) and ALT I (JUN 2003) (As modified by DoD Class Deviation 99-00008 dated 13 July 1999) (ALT I is applicable if the contractor is a nonprofit organization whose primary purpose is the conduct of scientific research)
**	FAR 52.247-64	Preference for Privately Owned U.S. Flag Commercial Vessels (APR 2003)
	FAR 52.249-6	Termination (Cost-Reimbursement) (SEP 1996)
	FAR 52.249-14	Excusable Delays (APR 1984)
	FAR 52.251-1	Government Supply Sources (APR 1984)
	FAR 52.253-1	Computer Generated Forms (JAN 1991)

**II. DEPARTMENT OF DEFENSE FAR SUPPLEMENTAL (DFARS) (48 CFR CHAPTER 2)
CLAUSES:**

**	DFARS 252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies (MAR 1999)
	DFARS 252.204-7003	Control of Government Work Product (APR 1992)
	DFARS 252.204-7004	Alternate A (NOV 2003)
**	DFARS 252.209-7000	Acquisition from Subcontractors subject to On-Site Inspection under the Intermediate Range Nuclear Forces (INF) Treaty (NOV 1995)
**	DFARS 252.209-7004	Subcontracting with Firms That Are Owned or Controlled by the Government of a Terrorist Country (MAR 1998)
+	DFARS 252.215-7000	Pricing Adjustments (DEC 1991)
++	DFARS 252.219-7003	Small, Small Disadvantaged and Women-owned Small Business Subcontracting Plan (DoD Contracts) (APR 1996)

	DFARS 252.225-7004	REPORTING OF CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES (APR 2003)
**	DFARS 252.225-7012	Preference for Certain Domestic Commodities (FEB 2003)
	DFARS 252.225-7031	Secondary Arab Boycott of Israel (APR 2003)
	DFARS 252.227-7013	Rights in Technical Data – Noncommercial Items (NOV 1995), and Alternate I (JUN 1995)
	DFARS 252.227-7014	Rights In Noncommercial Computer Software and Noncommercial Computer Software Documentation (JUN 1995)
	DFARS 252.227-7016	Rights in Bid or Proposal Information (JUN 1995)
	DFARS 252.227-7019	Validation of Asserted Restrictions – Computer Software (JUN 1995)
	DFARS 252.227-7025	Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends (JUN 1995)
	DFARS 252.227-7028	Technical Data or Computer Software Previously Delivered to the Government (JUN 1995)
	DFARS 252.227-7030	Technical Data – Withholding of Payment (MAR 2000)
	DFARS 252.227-7036	Declaration of Technical Data Conformity (JAN 1997)
	DFARS 252.227-7037	Validation of Restrictive Markings on Technical Data (SEP 1999)
	DFARS 252.231-7000	Supplemental Cost Principles (DEC 1991)
	DFARS 252.232-7003	Electronic Submissions of Payment Requests (MAR 2003)
	DFARS 252.242-7000	Post-Award Conference (DEC 1991)
**	DFARS 252.243-7002	Requests for Equitable Adjustment (MAR 1998)
	DFARS 252.245-7001	Reports of Government Property (MAY 1994)
X	DFARS 252.246-7000	Material Inspection and Receiving Report (MAR 2003)
**	DFARS 252.247-7023	Transportation of Supplies by Sea (MAY 2002)
**	DFARS 252.247-7024	Notification Of Transportation Of Supplies By Sea (MAR 2000) (Applicable when the Contractor has made a negative response to the inquiry in the representation at DFARS 252.247-7022.)
	DFARS 252.251-7000	Ordering from Government Supply Sources (OCT 2002)

(B) ADDITIONAL FAR AND DFARS CLAUSES

This contract incorporates one or more clauses by reference as indicated by the mark of (X), with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://www.arnet.gov/far/>

	FAR 52.204-2	Security Requirements (AUG 1996) (Applicable if contract will generate or require access to classified information and DD Form 254, Contract Security Classification Specification, is issued to the contractor)
X	FAR 52.209-6	Protecting the Government's Interest when Subcontracting with Contractors Debarred, Suspended,

		or Proposed for Debarment (JUL 1995) (Applicable to contracts exceeding \$25,000 in value.)
X	FAR 52.215-17	Waiver of Facilities Capital Cost of Money (OCT 1997) (Applicable if the Contractor did not propose facilities capital cost of money in the offer)
X	FAR 52.215-21	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data - Modifications (OCT 1997) (Applicable to 'contracts' if cost or pricing data or information other than cost or pricing data will be required for modifications)
	FAR 52.217-9	Option to Extend the Term of the Contract (MAR 2000) (In paragraph (a), insert "XX", and in paragraph (c), insert "XX") (Applicable if contract contains line item(s) for option(s)) (Complete the spaces in parentheses)
	FAR 52.219-3	Notice of Total HUBZone Set-Aside (JAN 1999)
	FAR 52.219-5	Very Small Business Set-Aside (JUN 2003) (For actions between \$2,500 and \$50,000)
	FAR 52.219-6	Notice of Total Small Business Set-Aside (JUN 2003), and Alternate I (OCT 1995) (Applicable to total small business set-asides, including SBIR)
	FAR 52.219-7	Notice of Partial Small Business Set-Aside (JUN 2003) and Alternate I (OCT 1995)
	FAR 52.219-10	Incentive Subcontracting Program (OCT 2001) (Applicable at the PCO's discretion to contract actions exceeding \$500,000 and when subcontracting possibilities exist. The clause is small business exempt) (In paragraph (b), insert the appropriate number between 0 and 10 - "XX") (Complete the space in the parentheses)
	FAR 52.219-25	Small Disadvantaged Business Participation Program - Disadvantaged Status and Reporting (OCT 1999) (Applicable if contract includes FAR 52.219-24)
	FAR 52.219-26	Small Disadvantaged Business Participation Program - Incentive Subcontracting Program (OCT 2000) (Applicable at the PCO's discretion to contract actions exceeding \$500,000 and when subcontracting possibilities exist. The clause is small business exempt) (In paragraph (b), insert the appropriate number between 0 and 10 - "XX") (Complete the space in the parentheses)
	FAR 52.222-20	Walsh Healy Public Contracts Act (DEC 1996) (Applicable if the contract includes deliverable materials, supplies, articles or equipment in an amount that exceeds or may exceed \$10,000)
	FAR 52.223-5	Pollution Prevention and Right-to-Know Information (AUG 2003) (Applicable if contract provides for performance, in whole or in part, on a Federal facility)
X	FAR 52.223-6	Drug-Free Workplace (MAY 2001) (Applies when contract action exceeds \$100,000 or at any value when the contract is awarded to an individual)
	FAR 52.230-2	Cost Accounting Standards (APR 1998) (Applicable

		when contract amount is over \$500,000, if contractor is subject to full CAS coverage, as set forth in 48 CFR Chapter 99, Subpart 9903.201-2(a) (FAR Appendix B)
	FAR 52.230-3	Disclosure and Consistency of Cost Accounting Practices (APR 1998) (Applicable when contract amount is over \$500,000 but less than \$25 million, and the offeror certifies it is eligible for and elects to use modified CAS coverage as set forth in 48 CFR Chapter 99, Subpart 9903.201-2 (FAR Appendix B)
	FAR 52.230-6	Administration of Cost Accounting Standards (NOV 1999) (Applicable if contract is subject to either clause at FAR 52.230-2, FAR 52.230-3 or FAR 52.230-5)
X	FAR 52.232-20	Limitation of Cost (APR 1984) (Applicable only when contract action is fully funded)
X	FAR 52.232-22	Limitation of Funds (APR 1984) (Applicable only when contract action is incrementally funded)
	FAR 52.239-1	Privacy or Security Safeguards (AUG 1996) (Applicable to contracts for information technology which require security of information technology, and/or are for the design, development, or operation of a system of records using commercial information technology services or support services.)
	FAR 52.245-18	Special Test Equipment (FEB 1993) Applicable when it is anticipated that the contractor will acquire or fabricate special test equipment but the exact identification of the equipment is not known)
	DFARS 252.203-7002	Display of DoD Hotline Poster (DEC 1991) (Applicable only when contract action exceeds \$5 million or when any modification increases contract amount to more than \$5 million)
X	DFARS 252.204-7000	Disclosure of Information (DEC 1991) (Applies when Contractor will have access to or generate unclassified information that may be sensitive and inappropriate for release to the public)
	DFARS 252.204-7005	Oral Attestation of Security Responsibilities (NOV 2001) (Applicable if FAR 52.204-2, Security Requirements Applies)
X	DFARS 252.205-7000	Provision of Information to Cooperative Agreement Holders (DEC 1991) (Applicable only when contract action exceeds \$500,000 or when any modification increases total contract amount to more than \$500,000)
X	DFARS 252.215-7002	Cost Estimating System requirements (Oct 1998) (Applicable only to contract actions awarded on the basis of certified cost or pricing data)
	DFARS 252.223-7004	Drug-Free Work Force (SEP 1988) (Applicable (a) if contract involves access to classified information: or (b) when the Contracting Officer determines that the clause is necessary for reasons of national security or for the purpose of protecting the health or safety of performance of the contract.
	DFARS 252.223-7006	Prohibition on Storage and Disposal of Toxic and

		Hazardous Materials (APR 1993) (Applicable if work requires, may require, or permits contractor performance on a DoD installation)
	DFARS 252.225-7001	Buy American Act and Balance of Payments Program (APR 2003) (Applicable if the contract includes deliverable supplies) (This clause does not apply if an exception to the Buy American Act or Balance of Payments Program is known or if using the clause at 252.225-7021, or 252.225-7036.)
	DFARS 252.225-7002	Qualifying Country Sources as Subcontractors (APR 2003) (Applicable when clause at DFARS 252.225-7001, 252.227-7021, or 252.227-7036 applies)
	DFARS 252.225-7016	Restriction On Acquisition Of Ball And Roller Bearings (APR 2003) (Applicable if contract includes deliverable supplies, unless Contracting Officer knows that items being acquired do not contain ball or roller bearings)
	DFARS 252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises (SEP 2001) [(Applicable if FAR Part 12 is not used, and for supplies and services (but not R&D) expected to exceed SAP thresholds) (This Final Rule replaces FAR 52.226-1 (JUN 2000) via DFARS Chg Ntc 20020531]
	DFARS 252.227-7018	Rights in Noncommercial Technical Data and Computer Software – Small Business Innovation Research (SBIR) Program (JUN 1995)
	DFARS 252.242-7004	Material Management and Accounting System (DEC 2000) (Applicable to contract actions exceeding \$100,000) (Not applicable for contracts awarded to small businesses, educational institutions, or nonprofit organizations)

(C) COST-PLUS-FIXED-FEE-RESEARCH AND DEVELOPMENT CLAUSES

The following FAR and DFARS clauses apply to Cost-Plus-Fixed-Fee Research and Development Contracts and are either required by regulation or are required when the circumstances of the contract warrant that they apply: (** - applies to contract actions exceeding \$100,000)

	FAR 52.225-16	Sanctioned European Union Country Services (FEB 2000)
**	FAR 52.227-1	Authorization and Consent (JUL 1995) and Alternate I (APR 1984)
	FAR 52.243-2	Changes – Cost Reimbursement (AUG 1987) and Alternate V (APR 1984)
	FAR 52.246-9	Inspection of Research and Development (Short Form) (APR 1984)
	FAR 52.246-23	Limitation of Liability (FEB 1997)
	DFARS 252.235-7002	Animal Welfare (DEC 1991)
	DFARS 252.235-7011	Final Scientific or Technical Report (SEP 1999)

The following FAR and DFARS clauses for Cost-Plus-Fixed-Fee Research and Development Contracts only apply when specifically marked with a check (x):

	FAR 52.227-10	Filing of Patent Applications –Classified Subject Matter (APR 1984) (Applicable if contract is subject to FAR clause 52.204-02 and either 52.227-11 or 52.227-12)
X	FAR 52.227-11	Patent Rights – Retention by the Contractor (Short Form) (JUN 1997) (Applicable if contractor is a small business or non profit organization)
	OR	
	FAR 52.227-12	Patent Rights – Retention by the Contractor (Long Form) (JAN 1997) (Applicable if contractor is a large business)
X	DFARS 252.227-7034	Patents – Subcontracts (APR 1984) (Applicable when FAR 52.227-11 applies)
X	DFARS 252.227-7039	Patents – Reporting of Subject Inventions (APR 1990) (Applied when FAR 52.227-11 applies)

SECTION J - LIST OF ATTACHMENTS

1. EXHIBIT A, entitled "Contract Data Requirements List" (DD Form 1423) - 1 page with Enclosure Number 1, entitled "Contract Data Requirements List - Instructions for Distribution," 2 pages.
2. ATTACHMENT NUMBER 1, entitled, "Statement of Work", 2 pages.
3. ATTACHMENT NUMBER 2, entitled, "Financial Accounting Data Sheet", 1 page.

SECTION K - REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFEROR

1. The Contractor's Representations and Certifications, dated 13 November 2003, are hereby incorporated into this contract by reference.

CONTRACT DATA REQUIREMENTS LIST

(2 Data Items)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.

A. CONTRACT LINE ITEM NO. 0001				B. EXHIBIT A		C. CATEGORY TDP _____ TM _____ OTHER <input checked="" type="checkbox"/> X																																															
D. SYSTEM/ITEM FAST Solution Methods for Electromagnetic Scattering				E. CONTRACT/PR NO. N00014-04-C-0074		F. CONTRACTOR SIMPLY SPARSE TECHNOLOGIES																																															
1. DATA ITEM NO. A001		2. TITLE OF DATA ITEM Progress Reports				3. SUBTITLE																																															
4. AUTHORITY (Data Acquisition Document No.)				5. CONTRACT REFERENCE See Section H.1		6. REQUIRING OFFICE See Section F																																															
7. DD 250 REQ LT*		8. DIST STATEMENT REQUIRED		10. FREQUENCY As Required		12. DATE OF FIRST SUBMISSION *		14. DISTRIBUTION																																													
9. APP CODE N/A				11. AS OF DATE *		13. DATE OF SUBSEQUENT SUBMISSION *		<table border="1"> <tr> <th rowspan="2">a. ADDRESSEE</th> <th colspan="2">b. COPIES</th> </tr> <tr> <th>Draft</th> <th>Final</th> </tr> <tr> <td rowspan="15">See Enclosure Number 1</td> <td>Reg</td> <td>Repro</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr> <td colspan="2">15. TOTAL →</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> </table>		a. ADDRESSEE	b. COPIES		Draft	Final	See Enclosure Number 1	Reg	Repro																											15. TOTAL →									
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See Enclosure Number 1	Reg	Repro																																																			
	15. TOTAL →																																																				
16. REMARKS * As required by the Program Officer, these reports, submitted periodically for the purpose of reporting progress (both technical and cost expenditure status), may be in the form of a letter report or a technical report																																																					

1. DATA ITEM NO. A002		2. TITLE OF DATA ITEM Final Report				3. SUBTITLE																																															
4. AUTHORITY (Data Acquisition Document No.)				5. CONTRACT REFERENCE See Section H.1		6. REQUIRING OFFICE See Section F																																															
7. DD 250 REQ DD*		8. DIST STATEMENT REQUIRED		10. FREQUENCY ONE/R		12. DATE OF FIRST SUBMISSION 31 March 2007		14. DISTRIBUTION																																													
9. APP CODE N/A				11. AS OF DATE 31 March 2007		13. DATE OF SUBSEQUENT SUBMISSION N/A		<table border="1"> <tr> <th rowspan="2">a. ADDRESSEE</th> <th colspan="2">b. COPIES</th> </tr> <tr> <th>Draft</th> <th>Final</th> </tr> <tr> <td rowspan="15">See Enclosure Number 1</td> <td>Reg</td> <td>Repro</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr> <td colspan="2">15. TOTAL →</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> </table>		a. ADDRESSEE	b. COPIES		Draft	Final	See Enclosure Number 1	Reg	Repro																											15. TOTAL →									
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	15. TOTAL →																																																				
16. REMARKS * The Contractor shall include relevant databases as part of the Final Report. * DD 250 is only required for acceptance by the Program Officer designated in Section F. Information copies shall be sent to the appropriate parties in accordance with Enclosure Number 1.																																																					

G. PREPARED BY Brian K. Murphy		H. DATE 3/15/2004		I. APPROVED BY R. Brian Bradley		J. DATE 3/19/04	
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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

**ENCLOSURE NUMBER 1
CONTRACT DATA REQUIREMENTS LIST
INSTRUCTIONS FOR DISTRIBUTION**

DISTRIBUTION OF TECHNICAL REPORTS AND FINAL REPORT

The minimum distribution of technical reports and the final report submitted in connection with this contract is as follows:

ADDRESSEE	DODAAD CODE	NUMBER OF COPIES	
		UNCLASSIFIED/ UNLIMITED	UNCLASSIFIED/LIMITED AND CLASSIFIED
Program Officer: Luise Couchman, ONR 334 E-Mail: Luise_Couchman@onr.navy.mil	N00014	1	1
Administrative Contracting Officer*	S3911A	1	1
Director, Naval Research Lab Attn: Code 5227 4555 Overlook Avenue, SW Washington, D.C. 20375-5320 E-mail: reports@library.nrl.navy.mil	N00173	1	1
Defense Technical Information Center 8725 John J. Kingman Road STE 0944 Ft. Belvoir, VA 22060-6218 E-mail: tr@dtic.mil	S47031	2	2

* Send only a copy of the transmittal letter to the Administrative Contracting Officer; do not send actual reports to the Administrative Contracting Officer.

ELECTRONIC SUBMISSIONS OF TECHNICAL REPORTS IS PREFERRED AND ENCOURAGED. ELECTRONIC SUBMISSION SHOULD BE SENT TO THE E-MAIL ADDRESSES PROVIDED IN THE ABOVE TABLE, HOWEVER PLEASE NOTE THE FOLLOWING:

- Only Unlimited/Unclassified document copies may be submitted by e-mail.
- Unclassified/Limited has restricted distribution and a classified document (whether in its entirety or partially) is to be distributed in accordance with classified material handling procedures.
- Electronic submission to DIRECTOR, NAVAL RESEARCH LAB, shall be unclassified/unlimited reports and 30 pages or less. If unclassified and more than 30 pages, hardcopies of reports must be mailed.
- Electronic submission to DTIC shall be unclassified/unlimited reports. If submission is for

N00014-04-C-0074

limited documents, please send them in on a disk or sign up for DTIC's web-based document submission system at http://www.dtic.mil/dtic/submitting/elec_subm.html.

If the Program Officer directs, the Contractor shall make additional distribution of technical reports in accordance with a supplemental distribution list provided by the Program Officer.

DISTRIBUTION OF PROGRESS REPORTS, which are NOT, Technical Reports

The minimum distribution for reports that are not technical reports is as follows:

ADDRESSEE	DODAAD CODE	NUMBER OF COPIES	
		UNCLASSIFIED/ UNLIMITED	UNCLASSIFIED/LIMITED AND CLASSIFIED
Program Officer: Luise Couchman, ONR 334 E-Mail: Luise_Couchman@onr.navy.mil	N00014	1	1
Administrative Contracting Officer*	S3911A	1	1

*Send only a copy of the transmittal letter to the Administrative Contracting Officer; do not send actual reports to the Administrative Contracting Officer.

STATEMENT OF WORK

Perform research in efficient numerical methods for electromagnetic scattering as follows:

- 1) Examine the sparseness and the stability of the sparseness of the matrices produce by the Simply Sparse method. Examine situations in which sparseness is lost and propose solutions.
- 2) Develop and test methods for creating basis functions with overlap between regions. Evaluate the linear independence of these functions. Develop algorithms that may make them orthogonal or nearly orthogonal, and test their effectiveness. Evaluate the numerical efficiency of the Basic SS method when such overlapping functions are used.
- 3) Evaluate the performance of the Basic SS method for two or more problems involving either material properties or a hybrid computation. Determine how the sparseness of the compressed matrix is affected, and whether the solution is efficient using the Block SS solver and possibly other solvers.
- 4) Implement in sample computations a new or existing method for the generation of far off diagonal blocks of the matrix. This method may either use only sample matrix elements within that block and the assumption of low rank, or it may use a different method. These matrix elements may either be generated explicitly or implicitly. Develop and test methods for performing the Basic SS transformation using the resulting representation of such a block. Evaluate the accuracy achieved.
- 5) Study the properties of direct solution methods for sparse matrices such as those produced by the Basic SS method and the Angular SS method by theoretical methods and/or sample numerical computations. This study is to include the Block SS solver and Schur Complement methods, and possibly others. Propose and study alternative methods for direct solution that reasonably might have desirable numerical properties. These alternative methods might be variations on the existing Block SS solver or Schur Complement solver, or they may be completely different methods.

PROJECT SCHEDULE AND MILESTONES

- | | | |
|----|---|--------------------|
| 0) | Program Begins | March 26, 2004 |
| 1) | Examine Sparseness and Stability of SS method | April 1, 2004 |
| 2) | Study Overlapping Functions | |
| | a) Propose methods | May 1, 2004 |
| | c) Evaluate Sparseness and Orthogonality | August 1, 2004 |
| | d) Evaluate Numerical Efficiency re Basic SS | November 15, 2004 |
| 3) | Evaluate hybrid performance | |
| | a) Determine test case | December 1, 2004 |
| | b) Obtain/develop usual hybrid computation | March 1, 2005 |
| | c) Compute compressed matrix using Basic SS | July 1, 2005 |
| | d) Evaluate performance of compression | September 15, 2005 |
| | e) Evaluate Block Solver performance | November 15, 2005 |
| 4) | Generation of far off diagonal blocks. | |
| | a) Implement a method for such fast generation. | March 1, 2006 |
| | b) Test with SS transformation | May 15, 2006 |
| | c) Interpret results and examine alternatives | August 1, 2006 |
| 5) | Direct Solution Methods | |
| | a) Further evaluate Block SS Solver | November 1, 2006 |
| | b) Further evaluate Schur Complement methods | December 31, 2006 |

Methods that are implemented here will not be implemented in a general purpose computer program as part of this research. The goal of this research is development of algorithms and a description of their properties; it is not to produce any computer program.

DELIVERABLES

Every six months a letter technical progress report will be provided, along with Power Point slides describing that technical progress. At the end of the contract, a formal progress report will be provided. Each year, at least one technical paper will be written, suitable for submission for publication in a peer reviewed journal.


FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N0001404C0074		2. SPIN (CRITICAL)		3. MOD (CRITICAL)		4. PR NUMBER 04PRO3521-00		PAGE 1 OF 1											
5. LINE OF ACCOUNTING																			
CLINSLIN	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE PROJ UNIT MCC	PDU & SUF	7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DDCIACRN					
	AA	1741319	WJXE	255	RA	333	0	068342	2D	000000	01000	000	4AR0	\$141,421.00	PR04PRO3521-00 FRC:34AR				
PAGE TOTAL													\$141,421.00						
GRAND TOTAL													\$141,421.00						
PREPARED AUTHORIZED BY: <u>3-23-04</u>										COMPTROLLER APPROVAL FOR FISCAL DATA BY <u>DATE</u>					for COMPTROLLER, ONR CONTRACT REVIEWED				

Contract Distribution Sheet

PR Number: 04PR03521-00
Contract Number: N00014-04-C-0074-
Specialist: BKM ONR: 254

Distribution Date: **MAR 24 2004**

Distributed By: 

— PCO, ONR Arlington (Original)

— Contractor (Duplicate Original)
Short Contractor Code and Address:
FXCT
FRANCIS X CANNING
SIMPLY SPARSE TECHNOLOGIES
59 DELROSE DRIVE
MORGANTOWN, WV 26508-0948

— ACO
ACO MILSCAP Code & Address S3911A:
DCM PITTSBURGH
FEDERAL BLDG ROOM 1612
1000 LIBERTY AVE
PITTSBURGH, PA 15222-4190

— Payment Office
DODAAD Code and Address HQ0337:
DFAS COLUMBUS CENTER DFAS CO NORTH ENTITLEMENT OPERATIONS
PO BOX 182266
COLUMBUS, OH 43218-2266

— ONR:
00CC11
Program Officer: Luise Couchman, ONR 334

MAR 19 2004

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		CONTRACT ID CODE D0-09(U)	PAGE OF PAGES 1 2
AMENDMENT/MODIFICATION NO. 00004	3. EFFECTIVE DATE SEE BLOCK 16C N00014	4. REQUISITION/PURCHASE REG. NO. 07PR02118-00	5. PROJECT NO. (if applicable) N.A.
ISSUED BY CODE		7. ADMINISTERED BY (if other than item 6) SCD-C	CODE S3911A

OFFICE OF NAVAL RESEARCH
INR 254 Joseph F. Pletscher (703)588-2435
E-mail: pletschj@onr.navy.mil
75 North Randolph St.
Arlington VA 22203-1995

DCMA PITTSBURGH
VA HIGHLAND DRIVE FACILITY
7180 HIGHLAND DRIVE BLDG 6
PITTSBURGH, PA 15206-1297

NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) FRANCIS X CANNING IMPLY SPARSE TECHNOLOGIES 9 DELROSE DRIVE MORGANTOWN, WV 26508-0948		(3)	9A. AMENDMENT OF SOLICITATION NO. N.A.
		<input type="checkbox"/>	9B. DATED (SEE ITEM 11)
		<input checked="" type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO. N00014-04-C-0074
			10B. DATED (SEE ITEM 13) 19 MAR 2004
ODE IGYT5	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of the amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

2. ACCOUNTING AND APPROPRIATION DATA (if required)

SEE THE ATTACHED FINANCIAL ACCOUNTING DATA (FAD) SHEET(S)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED ITEM 14.

3)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify Authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: AUTHORITY FOR OTHER THAN FULL AND OPEN COMPETITION:
<input checked="" type="checkbox"/>	D. OTHER (Specify type of modification and authority) ALLOTMENT OF FUNDS per FAR 52.232-22, Limitation of Funds.


IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return copies to the issuing office.

4. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

THE PURPOSE OF THIS MODIFICATION IS TO PROVIDE FOR AN INCREMENT OF FUNDING. ACCORDINGLY, THE FUNDING CITED ON THE ATTACHED FINANCIAL ACCOUNTING DATA SHEETS ARE MADE AVAILABLE.

SEE PAGE TWO

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

5A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) EMILY MCLAUGHLIN ONR CONTRACTING OFFICER	
5B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES CONTRACTING OFFICER	16C. DATE SIGNED 1-11-07
Signature of person authorized to sign)		BY 	

IN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE
IAVOCNR OVERPRINT (3-88)

30-105

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

Effective as of the date of this Modification:

1. Section B is revised to read as follows:

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

ITEM NO.	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL ESTIMATED COST & FIXED FEE
0001	The Contractor shall furnish the necessary personnel and facilities to conduct the research effort and provide reports and data as described in Section C.			
000101	ACRN: AA [REDACTED]			
000102	ACRN: AB [REDACTED]			
000103	ACRN: AC [REDACTED]			
000104	ACRN: AD [REDACTED]			
TOTAL ESTIMATED CONTRACT CONSIDERATION:				

2. The funds available for performance of this contract are increased by the amount set forth in the attached Financial Accounting Data Sheets.
3. Section G, paragraph 1.5., entitled, "Allotment of Funds" is revised to read as follows:
"RESERVED"

This modification makes no change to the total estimated cost and fixed fee of this contract, and all other terms and conditions remain unchanged.

FINANCIAL ACCOUNTING DATA SHEET - NAVY


[illegible]

FINANCIAL ACCOUNTING DATA SHEET - NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N0001404C0074		2. SPIN (CRITICAL)	3. MDD (CRITICAL) P00004	4. PR NUMBER 07P02118-00	PAGE 2 OF 2	
5. CLINPLAN	6. AQIN (CRITICAL)	7. ACCOUNTING CITATION		8. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRE	
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PAGE TOTAL				\$.00		
GRAND TOTAL				\$.00		
PREPARED/AUTHORIZED BY:		COMPTROLLER APPROVAL FOR FISCAL DATA AND SIGNATURE		BY COMPTROLLER, ONR CONTRACT REVIEWED		
DATE:		BY		DATE:		

Contract Distribution Sheet

CR Number: 07PR02118-00
Contract Number: N0001404C0074
Specialist: PLETSCHER, JOSEPH ONR: BD254
Modification Number:

Distribution Date: JAN 11 2007 Distributed By: 

___ PCO, ONR Arlington (Original)

___ Contractor (Duplicate Original)

Short Contractor Code and Address:

FXCT
FRANCIS X CANNING
SIMPLY SPARSE TECHNOLOGIES 59 DELROSE DRIVE
MORGANTOWN, WV 26508-0948 US

___ ACO

ACO MILSCAP Code and Address:

S3911A
DCMA PITTSBURGH-S3911A
VA HIGHLAND DRIVE FACILITY 7180 HIGHLAND DRIVE BLDG 6
PITTSBURGH, PA 15206-1297 US

___ Payment Office

DODAAD Code and Address:

HQ0337
DFAS COLUMB. NORTH ENTL-HQ0337
PO BOX 182266
COLUMBUS, OH 43218-2266 US

___ ONR:
00CC
Program Officer: LUISE S. COUCHMAN, ONR 331

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

CONTRACT ID CODE

DD-C8(U)

PAGE OF PAGES

1 12

2. AMENDMENT/MODIFICATION NO. P00002	3. EFFECTIVE DATE SEE BLOCK 16C N00014	4. REQUISITION/PURCHASE REG. NO. 05PR02087-01 / 05PR02087-00	5. PROJECT NO. (if applicable) N.A.
6. ISSUED BY CODE	7. ADMINISTERED BY (if other than item 6) SCD-C	CODE	83911A

OFFICE OF NAVAL RESEARCH
ONR 254 Brian K. Murphy (703)595-0030
E-mail brian_murphy@onr.navy.mil
BALLSTON CENTRE TOWER ONE
800 NORTH QUINCY STREET
ARLINGTON, VA 22217-5660

DCM Pittsburg
Moorhead Federal Building, Room 1612
1000 Liberty Avenue
Pittsburg, PA 15222-4190

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

SIMPLY SPARSE TECHNOLOGIES
59 DELROSE DRIVE
MORGANTOWN, WV 26508-0948

ORIGINAL

(/)	9A. AMENDMENT OF SOLICITATION NO. N.A.
	9B. DATED (SEE ITEM 11)
(X)	10A. MODIFICATION OF CONTRACT/ORDER NO. N00014-04-C-0074
	10B. DATED (SEE ITEM 13) 19 MAR 2004

CODE
1GYT5

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of the amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

SEE THE ATTACHED FINANCIAL ACCOUNTING DATA (FAD) SHEET(S)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED ITEM 14.

(/)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify Authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: AUTHORITY FOR OTHER THAN FULL AND OPEN COMPETITION:
(X)	D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties, pursuant to FAR 43.103 (a), and FAR 52.232-22, Limitation of Funds.

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 2 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

THE PURPOSE OF THIS MODIFICATION IS TO EXPAND THE RESEARCH EFFORT UNDER CONTRACT NUMBER N00014-04-C-0074, AND PROVIDE FOR A FUNDING INCREMENT. ACCORDINGLY, THE FUNDING CITED ON THE ATTACHED FINANCIAL ACCOUNTING DATA SHEET(S) IS MADE AVAILABLE.

SEE PAGE TWO

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) <i>Simply Sparse (S)</i> <i>Dr. Francis X. Canning - Sole Proprietor</i>	15C. DATE SIGNED <i>11/2/04</i>	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <i>R. Brian Bradley</i> <i>Contracting Officer</i>	16C. DATE SIGNED <i>NOV 2 2004</i>
---	------------------------------------	---	---------------------------------------

SN 7540-01-182-8070
PREVIOUS EDITION UNUSABLE
NAVCNR OVERPRINT (3-85)

30-105

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

N00014-04-C-0074
Modification No. P00002

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				CONTRACT ID CODE D0-C9(U)		PAGE OF PAGES 1 12	
2. AMENDMENT/MODIFICATION NO. P00002		3. EFFECTIVE DATE SEE BLOCK 16C		4. REQUISITION/PURCHASE REG. NO. 05PR02087-01 / 05PR02087-00		5. PROJECT NO. (if applicable) N.A.	
6. ISSUED BY CODE		N00014		7. ADMINISTERED BY (if other than item 6) SCD-C		CODE S3911A	
OFFICE OF NAVAL RESEARCH ONR 254 Brian K. Murphy (703)696-0030 E-mail brian_murphy@onr.navy.mil BALLSTON CENTRE TOWER ONE 800 NORTH QUINCY STREET ARLINGTON, VA 22217-5660				DCM Pittsburg Moorhead Federal Building, Room 1612 1000 Liberty Avenue Pittsburg, PA 15222-4190			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) SIMPLY SPARSE TECHNOLOGIES 59 DELROSE DRIVE MORGANTOWN, WV 26508-0948				(3)		9.A. AMENDMENT OF SOLICITATION NO. N.A.	
CODE 1GYT5				FACILITY CODE		9B. DATED (SEE ITEM 11)	
				<input checked="" type="checkbox"/>		10A. MODIFICATION OF CONTRACT/ORDER NO. N00014-04-C-0074	
						10B. DATED (SEE ITEM 13) 19 MAR 2004	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of the amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

SEE THE ATTACHED FINANCIAL ACCOUNTING DATA (FAD) SHEET(S)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED ITEM 14.

(3)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify Authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: AUTHORITY FOR OTHER THAN FULL AND OPEN COMPETITION:
<input checked="" type="checkbox"/>	D. OTHER (Specify type of modification and authority) Mutual Agreement of the Parties, pursuant to FAR 43.103 (a), and FAR 52.232-22, Limitation of Funds.

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 2 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

THE PURPOSE OF THIS MODIFICATION IS TO EXPAND THE RESEARCH EFFORT UNDER CONTRACT NUMBER N00014-04-C-0074, AND PROVIDE FOR A FUNDING INCREMENT. ACCORDINGLY, THE FUNDING CITED ON THE ATTACHED FINANCIAL ACCOUNTING DATA SHEET(S) IS MADE AVAILABLE.

SEE PAGE TWO

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	
SN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE NAVOCNR OVERPRINT (3-88)		30-105 STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

N00014-04-C-0074
Modification No. P00002

Effective as of the date of this modification:

- 1) The funds available for performance of this contract are increased by the amount set forth in the attached Financial Accounting Data sheet(s).
- 2) Section B is deleted in its entirety and reinstated as follows:

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

ITEM NO.	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	TOTAL ESTIMATED COST & FIXED FEE
0001	The Contractor shall furnish the necessary personnel and facilities to conduct the research effort and provide reports and data as described in Section C.			\$654,314.00
000101	ACRN: AA [REDACTED]			
000102	ACRN: AB [REDACTED]			
TOTAL ESTIMATED CONTRACT CONSIDERATION:				\$654,314.00

- 3) Section C is deleted in its entirety and reinstated as follows:

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

1. The research effort to be performed hereunder shall be subject to the requirements and standards contained in Exhibit A and the following paragraph(s).
2. The Contractor shall conduct the research effort in accordance with Attachment Number 1, entitled, "Statement of Work".
3. The Contractor shall conduct the research effort in accordance with Attachment Number 3, entitled, "Statement of Work Expansion P00002".

- 4) Section G, paragraph 1.5, Allotment of Funds, is deleted in its entirety and reinstated as follows:

"Allotment of Funds

(a) It is hereby understood and agreed that this contract will not exceed a total amount of \$654,314.00; including an estimated cost of [REDACTED] and a fixed fee of [REDACTED].

(b) The total amount presently available for payment and allotted to CLIN 0001 of this contract is [REDACTED]; including an estimated cost of [REDACTED] and a fixed fee of [REDACTED]. It is estimated that the amount allotted of [REDACTED] will cover the period from date of award through 10 February 2006."

5) Section G, paragraph 2, PROCURING OFFICE REPRESENTATIVES, is deleted in its entirety and reinstated as follows:

"2. PROCURING OFFICE REPRESENTATIVES

(a) In order to expedite administration of this contract, the Administrative Contracting Officer should direct inquiries to the appropriate office listed below. Please do not direct routine inquiries to the person listed in Item 20A on Standard Form 26.

Contract Negotiator – Brian K. Murphy, ONR 254, 703-696-0030, DSN 426-0030, and E-Mail Address: brian_murphy@onr.navy.mil

Inspection and Acceptance – Luise Couchman, ONR 334, 703-696-0786, DSN 426-0786, and E-Mail Address: Luise_Couchman@onr.navy.mil

Security Matters – Mr. Brian Link, ONR 43, (703) 696-4619, DSN 426-4619

Patent Matters - Mr. Tom McDonnell, ONR 00CC, (703) 696-4000, DSN 426-4000.

(b) The Administrative Contracting Officer will forward invention disclosures and reports directly to Corporate Counsel (Code 00CC), Office of Naval Research, Department of the Navy, Ballston Tower One, 800 North Quincy Street, Arlington, Virginia 22217-5660. The Corporate Counsel will return the reports along with a recommendation to the Administrative Contracting Officer. The Corporate Counsel will represent the Contracting Officer with regard to invention reporting matters arising under this contract."

6) Section I is deleted in its entirety and reinstated as follows:

Introduction: Section I

Attention: Prime Contractors. If a sub-award is made to an educational institution, Prime Contractors are directed to please refer to the ONR Model Award for appropriate flow-down clauses to universities. See <http://www.onr.navy.mil>, click Contracts & Grants Icon. Click Model Awards Link. Click Section I clauses that flow-down to University subcontractors.

SECTION I - CONTRACT CLAUSES

(October 2004)

COST-PLUS-FIXED-FEE

(A) FAR 52.252-02 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at these addresses:

<http://www.arnet.gov/far/>

http://farsite.hill.af.mil/farsite_script.html

For instance, a dollar threshold may trigger the applicability of the clause or a certain condition of the research may trigger the applicability of the clause. In order to provide some assistance, as to when a dollar threshold triggers a clause, we have associated certain symbols with dollar thresholds. The symbols and their appropriate dollar thresholds are as follows:

- * Applies when contract action exceeds \$10,000
- ** Applies when contract action exceeds \$100,000
- + Applies when contract action exceeds \$500,000

- ++ Applies when contract action exceeds \$500,000 and subcontracting possibilities exist. Small Business Exempt.
 x (DD 250)
 xx Not applicable

I. FEDERAL ACQUISITION REGULATION (FAR) (48 CFR CHAPTER 1) CLAUSES:

**	FAR 52.202-1	Definitions (JUN 2004)
**	FAR 52.203-3	Gratuities (APR 1984)
**	FAR 52.203-5	Covenant Against Contingent Fees (APR 1984)
**	FAR 52.203-6	Restrictions on Subcontractor Sales to the Government (JUL 1995)
**	FAR 52.203-7	Anti-Kickback Procedures (JUL 1995)
**	FAR 52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity (JAN 1997)
**	FAR 52.203-10	Price or Fee Adjustment for Illegal or Improper Activity (JAN 1997)
**	FAR 52.203-12	Limitation on Payments to Influence Certain Federal Transactions (JUN 2003)
**	FAR 52.204-4	Printed or Copied Double-Sided on Recycled Paper (AUG 2000)
	FAR 52.204-7	Central Contractor Registration (OCT 2003)
	FAR 52.211-15	Defense Priority and Allocation Requirements (SEP 1990)
**	FAR 52.215-2	Audit and Records - Negotiation (JUN 1999)
	FAR 52.215-8	Order of Precedence - Uniform Contract Format (OCT 1997)
+	FAR 52.215-10	Price Reduction for the Defective Cost or Pricing Data (OCT 1997) (The clause is applicable to subcontracts over \$550,000.)
+	FAR 52.215-12	Subcontractor Cost or Pricing Data (OCT 1997) (Applicable to subcontracts over \$550,000 only)
**	FAR 52.215-14	Integrity of Unit Prices (OCT 1997) and Alternate I (OCT 1997) (Alternate I is applicable if the action is contracted under Other Than Full and Open Competition)
+	FAR 52.215-15	Pension Adjustments and Asset Reversions (OCT 2004)
+	FAR 52.215-18	Reversion or Adjustment of Plans for Postretirement Benefits (PRB) Other than Pensions (OCT 1997)
+	FAR 52.215-19	Notification of Ownership Changes (OCT 1997) (Applicable when Cost or Pricing Data is required)
	FAR 52.216-7	Allowable Cost and Payment (DEC 2002)
	FAR 52.216-8	Fixed Fee (MAR 1997)
**	FAR 52.219-4	Notice of Price Evaluation Preference for HUBzone Small Business Concerns (OCT 2004)
**	FAR 52.219-8	Utilization of Small Business Concerns (MAY 2004)
	FAR 52.222-1	Notice to the Government of Labor Disputes (FEB 1997)

**	FAR 52.222-2	Payment for Overtime Premiums (JUL 1990) (Note: The word "zero" is inserted in the blank space indicated by an asterisk)
	FAR 52.222-3	Convict Labor (JUN 2003) (Reserved when FAR 52.222-20 Walsh Healy Public Contracts Act is applicable)
**	FAR 52.222-4	Contract Work Hours and Safety Standards Act - Overtime Compensation (SEP 2000)
	FAR 52.222-21	Prohibition of Segregated Facilities (FEB 1999)
	FAR 52.222-26	Equal Opportunity (APR 2002)
*	FAR 52.222-35	Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001)
*	FAR 52.222-36	Affirmative Action for Workers with Disabilities (JUN 1998)
*	FAR 52.222-37	Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (DEC 2001)
**	FAR 52.223-14	Toxic Chemical Release Reporting (AUG 2003)
**	FAR 52.225-8	Duty Free Entry (FEB 200)
	FAR 52.225-13	Restrictions on Certain Foreign Purchases (JAN 2004)
**	FAR 52.227-1	Authorization and Consent (JUL 1995)
**	FAR 52.227-2	Notice and Assistance Regarding Patent and Copyright Infringement (AUG 1996)
	FAR 52.228-7	Insurance Liability to Third Persons (MAR 1996) (Further to paragraph (a)(3), unless otherwise stated in this contract, types and limits of insurance required are as stated in FAR 28.307-2)
	FAR 52.232-9	Limitation on Withholding of Payments (APR 1984)
**	FAR 52.232-17	Interest (JUN 1996)
	FAR 52.232-23	Assignment of Claims (JAN 1986) and Alternate I (APR 1984)
	FAR 52.232-25	Prompt Payment (OCT 2003) and Alternate I (FEB 2002) (The words "the 30 th day" are inserted in lieu of "the 7 th day" at (a) (5) (i). [When Alternate I is applicable (a)(5)(i) does not apply] [Alternate I applies when awarding a cost reimbursement contract for services]
	FAR 52.232-33	Payment by Electronic Funds Transfer - Central Contractor Registration (OCT 2003)
	FAR 52.233-1	Disputes (JULY 2002)
	FAR 52.233-3	Protest After Award (AUG 1996) and Alternate I (JUN 1985)
	FAR 52.242-1	Notice of Intent to Disallow Costs (APR 1984)
+	FAR 52.242-3	Penalties for Unallowable Costs (MAY 2001)
	FAR 52.242-4	Certification of Final Indirect Costs (JAN 1997)
**	FAR 52.242-13	Bankruptcy (JUL 1995)
	FAR 52.242-15	Stop Work Order (AUG 1989) and Alternate I (APR 1984)

	FAR 52.244-2	Subcontracts (AUG 1998) and Alternate I (AUG 1998) [Insert in cost-reimbursement contracts; and letter, time-and-material, and labor-hour contracts exceeding SAP, and fixed price contracts exceeding SAP where unpriced actions are anticipated. Use Alternate I for cost-reimbursement contracts]
**	FAR 52.244-5	Competition in Subcontracting (DEC 1996)
	FAR 52.244-6	Subcontracts for Commercial Items and Commercial Components (JUL 2004)
	FAR 52.245-5	Government Property (Cost-Reimbursement, Time-and-Materials, or Labor-Hour Contracts) (MAY 2004) and ALT I (JUN 2003) (As modified by DoD Class Deviation 99-00008 dated 13 July 1999) (ALT I is applicable if the contractor is a nonprofit organization whose primary purpose is the conduct of scientific research)
**	FAR 52.247-64	Preference for Privately Owned U.S. Flag Commercial Vessels (APR 2003)
	FAR 52.249-6	Termination (Cost-Reimbursement) (MAY 2004)
	FAR 52.249-14	Excusable Delays (APR 1984)
	FAR 52.251-1	Government Supply Sources (APR 1984)
	FAR 52.253-1	Computer Generated Forms (JAN 1991)

II. DEPARTMENT OF DEFENSE FAR SUPPLEMENTAL (DFARS) (48 CFR CHAPTER 2) CLAUSES:

**	DFARS 252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies (MAR 1999)
	DFARS 252.204-7003	Control of Government Work Product (APR 1992)
	DFARS 252.204-7004	Alternate A (NOV 2003)
**	DFARS 252.209-7000	Acquisition from Subcontractors subject to On-Site Inspection under the Intermediate Range Nuclear Forces (INF) Treaty (NOV 1995)
**	DFARS 252.209-7004	Subcontracting with Firms That Are Owned or Controlled by the Government of a Terrorist Country (MAR 1998)
+	DFARS 252.215-7000	Pricing Adjustments (DEC 1991)
++	DFARS 252.219-7004	Small, Small Disadvantaged and Women-owned Small Business Subcontracting Plan (Test Program) (JUN 1997)
	DFARS 252.225-7004	REPORTING OF CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES (APR 2003)
**	DFARS 252.225-7012	Preference for Certain Domestic Commodities (JUN 2004)

	DFARS 252.225-7031	Secondary Arab Boycott of Israel (APR 2003)
	DFARS 252.227-7013	Rights in Technical Data – Noncommercial Items (NOV 1995), and Alternate I (JUN 1995)
	DFARS 252.227-7014	Rights In Noncommercial Computer Software and Noncommercial Computer Software Documentation (JUN 1995)
	DFARS 252.227-7016	Rights in Bid or Proposal Information (JUN 1995)
	DFARS 252.227-7019	Validation of Asserted Restrictions – Computer Software (JUN 1995)
	DFARS 252.227-7025	Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends (JUN 1995)
	DFARS 252.227-7028	Technical Data or Computer Software Previously Delivered to the Government (JUN 1995)
	DFARS 252.227-7030	Technical Data – Withholding of Payment (MAR 2000)
	DFARS 252.227-7036	RESERVED
	DFARS 252.227-7037	Validation of Restrictive Markings on Technical Data (SEP 1999)
	DFARS 252.231-7000	Supplemental Cost Principles (DEC 1991)
	DFARS 252.232-7003	Electronic Submissions of Payment Requests (JAN 2004)
	DFARS 252.242-7000	Post-Award Conference (DEC 1991)
**	DFARS 252.243-7002	Requests for Equitable Adjustment (MAR 1998)
	DFARS 252.245-7001	Reports of Government Property (MAY 1994)
X	DFARS 252.246-7000	Material Inspection and Receiving Report (MAR 2003)
**	DFARS 252.247-7023	Transportation of Supplies by Sea (MAY 2002)
**	DFARS 252.247-7024	Notification Of Transportation Of Supplies By Sea (MAR 2000) (Applicable when the Contractor has made a negative response to the inquiry in the representation at DFARS 252.247-7022.)
	DFARS 252.251-7000	Ordering from Government Supply Sources (OCT 2002)

(B) ADDITIONAL FAR AND DFARS CLAUSES

This contract incorporates one or more clauses by reference as indicated by the mark of (X), with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: <http://www.arinet.gov/far/>

	FAR 52.204-2	Security Requirements (AUG 1996) (Applicable if contract will generate or require access to classified information and DD Form 254, Contract Security Classification Specification, is issued to the contractor)
X	FAR 52.209-6	Protecting the Government's Interest when Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (JUL 1995) (Applicable to contracts exceeding \$25,000 in value.)
	FAR 52.215-16	Facilities Capital Cost of Money (JUN 2003) (Applicable if the Contractor did propose facilities

		capital cost of money in the offer)
X	FAR 52.215-17	Waiver of Facilities Capital Cost of Money (OCT 1997) (Applicable if the contractor does not propose facilities capital cost of money in the offer)
X	FAR 52.215-21	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data - Modifications (OCT 1997) (Applicable to 'contracts' if cost or pricing data or information other than cost or pricing data will be required for modifications)
	FAR 52.217-9	Option to Extend the Term of the Contract (MAR 2000) (In paragraph (a), insert "XX", and in paragraph (c), insert "XX") (Applicable if contract contains line item(s) for option(s)) (Complete the spaces in parentheses)
	FAR 52.219-3	Notice of Total HUBZone Set-Aside (JAN 1999)
	FAR 52.219-5	Very Small Business Set-Aside (JUN 2003) (For actions between \$2,500 and \$50,000)
	FAR 52.219-6	Notice of Total Small Business Set-Aside (JUN 2003), and Alternate I (OCT 1995) (Applicable to total small business set-asides, including SBIR) Alternate II (MAR 2004) (As prescribed in 19.508(c))
	FAR 52.219-7	Notice of Partial Small Business Set-Aside (JUN 2003) and Alternate I (OCT 1995) Alternate II (MAR 2004)
	FAR 52.219-10	Incentive Subcontracting Program (OCT 2001) (Applicable at the PCO's discretion to contract actions exceeding \$500,000 and when subcontracting possibilities exist. The clause is small business exempt) (In paragraph (b), insert the appropriate number between 0 and 10 - "XX") (Complete the space in the parentheses)
	FAR 52.219-25	Small Disadvantaged Business Participation Program - Disadvantaged Status and Reporting (OCT 1999) (Applicable if contract includes FAR 52.219-24)
	FAR 52.219-26	Small Disadvantaged Business Participation Program - Incentive Subcontracting Program (OCT 2000) (Applicable at the PCO's discretion to contract actions exceeding \$500,000 and when subcontracting possibilities exist. The clause is small business exempt) (In paragraph (b), insert the appropriate number between 0 and 10 - "XX") (Complete the space in the parentheses)
	FAR 52.222-20	Walsh Healy Public Contracts Act (DEC 1996) (Applicable if the contract includes deliverable materials, supplies, articles or equipment in an amount that exceeds or may exceed \$10,000)
	FAR 52.223-5	Pollution Prevention and Right-to-Know Information (AUG 2003) (Applicable if contract provides for performance, in whole or in part, on a Federal facility)
X	FAR 52.223-6	Drug-Free Workplace (MAY 2001) (Applies when contract action exceeds \$100,000 or at any value when the contract is awarded to an individual)

	FAR 52.230-2	Cost Accounting Standards (APR 1998) (Applicable when contract amount is over \$500,000, if contractor is subject to full CAS coverage, as set forth in 48 CFR Chapter 99, Subpart 9903.201-2(a) (FAR Appendix B)
	FAR 52.230-3	Disclosure and Consistency of Cost Accounting Practices (APR 1998) (Applicable when contract amount is over \$500,000 but less than \$25 million, and the offeror certifies it is eligible for and elects to use modified CAS coverage as set forth in 48 CFR Chapter 99, Subpart 9903.201-2 (FAR Appendix B)
	FAR 52.230-6	Administration of Cost Accounting Standards (NOV 1999) (Applicable if contract is subject to either clause at FAR 52.230-2, FAR 52.230-3 or FAR 52.230-5)
X	FAR 52.232-20	Limitation of Cost (APR 1984) (Applicable only when contract action is fully funded)
X	FAR 52.232-22	Limitation of Funds (APR 1984) (Applicable only when contract action is incrementally funded)
	FAR 52.239-1	Privacy or Security Safeguards (AUG 1996) (Applicable to contracts for information technology which require security of information technology, and/or are for the design, development, or operation of a system of records using commercial information technology services or support services.)
	FAR 52.245-18	Special Test Equipment (FEB 1993) Applicable when it is anticipated that the contractor will acquire or fabricate special test equipment but the exact identification of the equipment is not known)
	DFARS 252.201-7000	Contracting Officer's Representative (DEC 1991) (Applicable when appointment of a Contracting Officer's Representative (COR) is anticipated.)
	DFARS 252.203-7002	Display of DoD Hotline Poster (DEC 1991) (Applicable only when contract action exceeds \$5 million or when any modification increases contract amount to more than \$5 million)
X	DFARS 252.204-7000	Disclosure of Information (DEC 1991) (Applies when Contractor will have access to or generate unclassified information that may be sensitive and inappropriate for release to the public)
	DFARS 252.204-7005	Oral Attestation of Security Responsibilities (NOV 2001) (Applicable if FAR 52.204-2, Security Requirements Applies)
X	DFARS 252.205-7000	Provision of Information to Cooperative Agreement Holders (DEC 1991) (Applicable only when contract action exceeds \$500,000 or when any modification increases total contract amount to more than \$500,000)
	DFARS 252.211-7003	Item Identification and Valuation (JAN 2004)

X	DFARS 252.215-7002	Cost Estimating System requirements (Oct 1998) (Applicable only to contract actions awarded on the basis of certified cost or pricing data)
	DFARS 252.223-7004	Drug-Free Work Force (SEP 1988) (Applicable (a) if contract involves access to classified information; or (b) when the Contracting Officer determines that the clause is necessary for reasons of national security or for the purpose of protecting the health or safety of performance of the contract.
	DFARS 252.223-7006	Prohibition on Storage and Disposal of Toxic and Hazardous Materials (APR 1993) (Applicable if work requires, may require, or permits contractor performance on a DoD installation)
	DFARS 252.225-7001	Buy American Act and Balance of Payments Program (APR 2003) (Applicable if the contract includes deliverable supplies) (This clause does not apply if an exception to the Buy American Act or Balance of Payments Program is known or if using the clause at 252.225-7021, or 252.225-7036.)
	DFARS 252.225-7002	Qualifying Country Sources as Subcontractors (APR 2003) (Applicable when clause at DFARS 252.225-7001, 252.227-7021, or 252.227-7036 applies)
	DFARS 252.225-7016	Restriction On Acquisition Of Ball And Roller Bearings (MAY 2004) (Applicable if contract includes deliverable supplies, unless Contracting Officer knows that items being acquired do not contain ball or roller bearings)
	DFARS 252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns (SEP 2004) (Section 8021 of Pub. L.107-248 [and similar sections in subsequent DoD appropriation acts.]
	DFARS 252.227-7018	Rights in Noncommercial Technical Data and Computer Software – Small Business Innovation Research (SBIR) Program (JUN 1995)
	DFARS 252.242-7004	Material Management and Accounting System (DEC 2000) (Applicable to contract actions exceeding \$100,000) (Not applicable for contracts awarded to small businesses, educational institutions, or nonprofit organizations)

(C) COST-PLUS-FIXED-FEE-RESEARCH AND DEVELOPMENT CLAUSES

The following FAR and DFARS clauses apply to Cost-Plus-Fixed-Fee Research and Development Contracts and are either required by regulation or are required when the circumstances of the contract warrant that they apply: (** - applies to contract actions exceeding \$100,000)

	FAR 52.225-16	Sanctioned European Union Country Services (FEB 2000)
**	FAR 52.227-1	Authorization and Consent (JUL 1995) and Alternate I

		(APR 1984)
	FAR 52.243-2	Changes – Cost Reimbursement (AUG 1987) and Alternate V (APR 1984)
	FAR 52.246-9	Inspection of Research and Development (Short Form) (APR 1984)
	FAR 52.246-23	Limitation of Liability (FEB 1997)
	DFARS 252.235-7002	Animal Welfare (DEC 1991)
	DFARS 252.235-7011	Final Scientific or Technical Report (SEP 1999)

The following FAR and DFARS clauses for Cost-Plus-Fixed-Fee Research and Development Contracts only apply when specifically marked with a check (x):

	FAR 52.227-10	Filing of Patent Applications – Classified Subject Matter (APR 1984) (Applicable if contract is subject to FAR clause 52.204-02 and either 52.227-11 or 52.227-12)
X	FAR 52.227-11	Patent Rights – Retention by the Contractor (Short Form) (JUN 1997) (Applicable if contractor is a small business or non profit organization)
	OR	
	FAR 52.227-12	Patent Rights – Retention by the Contractor (Long Form) (JAN 1997) (Applicable if contractor is a large business)
X	DFARS 252.227-7034	Patents – Subcontracts (APR 1984) (Applicable when FAR 52.227-11 applies)
X	DFARS 252.227-7039	Patents – Reporting of Subject Inventions (APR 1990) (Applied when FAR 52.227-11 applies)

7) Section J is deleted in its entirety and reinstated as follows:

SECTION J - LIST OF ATTACHMENTS

1. EXHIBIT A, entitled "Contract Data Requirements List" (DD Form 1423) – 1 page with Enclosure Number 1, entitled "Contract Data Requirements List - Instructions for Distribution", 2 pages.
2. ATTACHMENT NUMBER (1), entitled, "Statement of Work", 2 pages.
3. ATTACHMENT NUMBER (2), entitled, "Financial Accounting Data Sheet(s)".
4. ATTACHMENT NUMBER (3), entitled, "Statement of Work Expansion P00002", 2 pages.

8) Section K is deleted in its entirety and reinstated as follows:

SECTION K - REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFEROR

1. The Contractor's Representations and Certifications, dated 27 October 2004, are hereby incorporated into this contract by reference.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED

STATEMENT OF WORK

Expansion P00002

Perform research in efficient numerical methods for electromagnetic scattering as follows:

- 1) Test the sparseness resulting from the use of restricted ranges of angles in the Simply Sparse method. Develop strategies for choosing the restricted ranges of angles and for optimizing other parameters as appropriate with a the goal of increasing the sparseness. Test the resulting strategies and report the results.
- 2) Develop and test algorithms for automatically computing the restricted ranges of angles. Report on he results.
- 3) Test the algorithm for improving the speed of the Schur Compliment method by using a physically motivated reduced dimension subspace. Also, test the results for this algorithm with several appropriate integral equations. Report on the usefulness of the algorithm for increasing speed (or for reducing the operation count).

PROJECT SCHEDULE AND MILESTONES

- | | | |
|----|--|-------------------|
| 0) | Program Begins | November 15, 2004 |
| 1) | Examine Sparseness resulting from restricted angular ranges | January 1, 2005 |
| 2) | Develop and test methods for improving the sparseness that results with restricted angular ranges | October 1, 2004 |
| 3) | Test the algorithm for computing the Schur Compliment using physically motivated modes, Using one integral equation | April 1, 2005 |
| 4) | Develop and test an algorithm for automatically computing the restricted angular ranges for complicated geometries | June 15, 2005 |
| 5) | Test the algorithm for computing the Schur Compliment using physically motivated modes, Using several integral equations | June 15, 2005 |

DELIVERABLES

Two letter technical progress reports will be provided, along with Power Point slides describing that technical progress. At the end of the contract, a formal progress report will be provided. At least one technical paper will be written, suitable for submission for publication in a peer reviewed journal, on the results of the tasks described here.

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N0001404C0074		2. SPIN (CRITICAL)		3. MOD (CRITICAL) P00002		4. PR NUMBER 05PR02087-00		PAGE 1 OF 1															
B. LINE OF ACCOUNTING		C. SUBHEAD (CRITICAL)		D. OBJ CLAS		E. PARM		F. RFM		G. SA		H. AAA (CRITICAL)		I. IT		J. PAA		K. COST CODE		7. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLAS	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE	PROJ UNIT	MCC	POJ & SIF	PR#	05PR02087-00	PRC:34AR							
ASB	1751319	WIAE	255	RA	333	0	068342	2D	000000	05572	000	4RR0											
													PAGE TOTAL		\$98,027.00								
													GRAND TOTAL		\$98,027.00								

PREPARED/AUTHORIZED BY: _____
 DATE: _____

CONTROLLER APPROVAL:
 FOR FISCAL DATA AND SIGNATURE
 BY: _____
 DATE: _____

for COMPTROLLER, OHR CONTRACT REVIEWED

Contract Distribution Sheet

PR Number: 05PR02087-01
Contract Number: N00014-04-C-0074-/P00002
Specialist: BKM ONR: 254

Distribution Date:

NOV 04 2004

Distributed By

— PCO, ONR Arlington (Original)


— Contractor (Duplicate Original)
Short Contractor Code and Address:
FXCT
FRANCIS X CANNING
SIMPLY SPARSE TECHNOLOGIES
59 DELROSE DRIVE
MORGANTOWN, WV 26508-0948

— ACO
ACO MILSCAP Code & Address S3911A:
DCMA PITTSBURGH
VA HIGHLAND DRIVE FACILITY
7180 HIGHLAND DRIVE
PITTSBURGH, PA 15206-1297

— Payment Office
DODAAD Code and Address HQ0337:
DFAS COLUMBUS CENTER DFAS CO NORTH ENTITLEMENT OPERATIONS
PO BOX 182266
COLUMBUS, OH 43218-2266

— ONR:
00CC11
Program Officer: Luise Couchman, ONR 334

NOV 03 2004

		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995	
				3b. CFDA: 12.300	
4. AWARD NO.: N00014-04-1-0485		1. INSTRUMENT TYPE: Grant		3c. DUNS NUMBER:	
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		2. AUTHORITY: 10 USC 2358, 31 USC 6304		7. PR NO.: 09PR01726-00	
5. MODIFICATION NO.: P00006		6. MODIFICATION TYPE: Increment		12. PROGRAM TYPE: onr	
9. RECIPIENT PROPOSAL NO.: N/A		10. PROPOSAL DATE: Undated		11. ACTIVITY TYPE:	
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION OFFICE OF GRANTS AND CONTRACTS 201 KINKEAD HALL LEXINGTON, KY 40506-0057		13b. CAGE: 5B333		13c. EDI/EFT NUMBER: 1150AF	
13d. BUSINESS OFFICE CONTACT: Jason Hardin		14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13			
13e. TELEPHONE NUMBER: (859) 257-8311					
13f. EMAIL ADDRESS: jason.hardin@uky.edu					
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Efficient Iterative and Direct Solvers for Electromagnetic Simulations					
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE	
PREVIOUSLY OBLIGATED:					
OBLIGATED BY THIS ACTION:					
TOTAL OBLIGATED ON AWARD:					
FUTURE FUNDING:					
GRANT TOTAL:				\$1,087,820.00	
17. CURRENT FUNDING PERIOD N/A THROUGH N/A					
18. PERIOD OF PERFORMANCE 01-MAY-04 THROUGH 15-MAY-11					
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: ROBERT J. ADAMS		21. TECHNICAL REPRESENTATIVE 21a. NAME: Luise S. Couchman		21b. CODE: ONR 331	
		21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995			
20b. TELEPHONE NUMBER: (859) 2571775		20c. EMAIL ADDRESS: rjadams@uky.edu		21d. TELEPHONE NUMBER: (703) 696-0786	
				21e. EMAIL ADDRESS: COUCHML@ONR.NAVY.MIL	
22. AWARDOFFICE CONTACT 22a. NAME: Diane Gales		22b. CODE: ONR BD252		23a. ADMINISTRATIVE OFFICE: ONR REG. OFFICE CHICAGO-N62880 FAX: 312-353-6089 230 SOUTH DEARBORN, ROOM 360 CHICAGO, IL 60604-1595 FAX: ()	
22c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995				23b. CODE: N62880	
22d. TELEPHONE NUMBER: (703) 696-2593		22e. EMAIL ADDRESS: GALESDE@ONR.NAVY.MIL			
24. SUBMIT PAYMENT REQUEST TO: Same as block #23a		25a. PAYING OFFICE: DFAS COLUMB-NAVY ACQ HQ0251 COLUMBUS, OH 43213		25b. CODE: HQ0251	
				26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995	
				26b. CODE: N00014	

AWARD NO. N00014-04-1-0485		AWARD/MODIFICATION		MODIFICATION NO. P00006	
27. SPECIAL INSTRUCTIONS:					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/02/024/offices.asp					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.					
DOCUMENT		URL		CLAUSES	
UAAC Acceptance C November 2003		http://www.onr.navy.mil/02/terms.htm			
UAWA Award A November 2003		http://www.onr.navy.mil/02/terms.htm			
ONR Dom. Res. Jul 2008		http://www.onr.navy.mil/02/terms.htm			
UVVE ONR Dom. Res. Jul 2008		http://www.onr.navy.mil/02/terms.htm			
30. OPTIONS					
OPTION NO.		AMOUNT		PERIOD	
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE		COPIES	
See block #21 (Frequency)		Final Technical Report with SF298		1	
		Performance/Technical Report (As Required) with SF298		1	
See block #23a		Report of Inventions and Subcontracts - DD 882		1	
		Final Technical Report - Transmittal Letter only		1	
		Performance/Technical Report (As Required)		1	
		Final Financial Status Report - SF269A - If advances used		1	
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218		Final Technical Report with SF298		1	
		Performance/Technical Report (As Required) with SF298		1	
See block #26a		Report of Inventions and Subcontracts - DD 882		1	
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320		Final Technical Report		1	
		Performance/Technical Report (As Required) with SF298		1	
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD					
32b. NAME AND TITLE OF SIGNER					
32c. DATE SIGNED			33b. NAME AND TITLE OF AWARD OFFICER Diane Gales		33c. DATE SIGNED 14-DEC-08

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N00014-04-1-0485		2. SPIN (CRITICAL)		3. MOD (CRITICAL) P00006		4. PR NUMBER 09PR01726-00													
6. LINE OF ACCOUNTING		C. SUBHEAD (CRITICAL)		D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE	7.		AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF D0CIACRN			
A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	WIAE		255	RA	333	0	068342	2D	000000	PROJ UNIT	MCC	PDJ & SUF	\$226,775.00		PR#09PR01726-00 FRC:34AR			
AF	1791319										03104	000	4AR0						
												PAGE TOTAL		\$226,775.00					
												GRAND TOTAL		\$226,775.00					
PREPARED/AUTHORIZED BY:												COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE BY _____ DATE: _____						for COMPTROLLER, ONR CONTRACT REVIEWED	

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES


1. CONTRACT NUMBER (CRITICAL) N00014-04-1-0485		2. SPIN (CRITICAL)	3. MOD (CRITICAL) P00006	4. PR NUMBER 09PR01726-00			
5. CLIN/SIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION			8. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN	
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					PAGE TOTAL	\$. 00	
					GRAND TOTAL	\$. 00	
PREPARED/AUTHORIZED BY:		COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE			for COMPTROLLER, ONR CONTRACT REVIEWED		
DATE:		BY DATE:					


AWARD NO.
N00014-04-1-0485

SPECIAL REQUIREMENTS

MODIFICATION NO.
P00006

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		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 230 SOUTH DEARBORN ROOM 380 CHICAGO, IL 60604-1595																															
				3b. CFDA: 12.300																															
1. INSTRUMENT TYPE: Grant		2. AUTHORITY: 10 USC 2358, 31 USC 6304		3c. DUNS NUMBER:																															
4. AWARD NO.: N00014-11-1-0625		5. MODIFICATION NO.: A00003		6. MODIFICATION TYPE: Admin Mod																															
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		7. PR NO.: 15PR01330-02																															
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION OFFICE OF GRANTS AND CONTRACTS 201 KINKEAD HALL LEXINGTON, KY 40506-0057		13b. CAGE: 5B333		13c. EDI/EFT NUMBER: 1150AF																															
13d. BUSINESS OFFICE CONTACT: Deborah Davis		14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13		10. PROPOSAL DATE: 04-APR-11																															
13e. TELEPHONE NUMBER: (859) 257-9420		13f. EMAIL ADDRESS: ddavis@email.uky.edu		11. ACTIVITY TYPE: lrs																															
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Large Scale Topside Electromagnetic Modeling																																			
<table border="1" style="width: 100%;"> <thead> <tr> <th>16. FUNDING</th> <th>ACTIVITY/AGENCY SHARE</th> <th>RECIPIENT SHARE</th> <th>TOTAL</th> <th>17. CURRENT FUNDING PERIOD</th> </tr> </thead> <tbody> <tr> <td>PREVIOUSLY OBLIGATED:</td> <td></td> <td></td> <td></td> <td>N/A THROUGH</td> </tr> <tr> <td>OBLIGATED BY THIS ACTION:</td> <td></td> <td></td> <td></td> <td>N/A</td> </tr> <tr> <td>TOTAL OBLIGATED ON AWARD:</td> <td></td> <td></td> <td></td> <td>18. PERIOD OF PERFORMANCE</td> </tr> <tr> <td>FUTURE FUNDING:</td> <td></td> <td></td> <td></td> <td>16-MAY-11 THROUGH</td> </tr> <tr> <td>GRANT TOTAL:</td> <td></td> <td></td> <td>\$698,413.00</td> <td>31-DEC-15</td> </tr> </tbody> </table>						16. FUNDING	ACTIVITY/AGENCY SHARE	RECIPIENT SHARE	TOTAL	17. CURRENT FUNDING PERIOD	PREVIOUSLY OBLIGATED:				N/A THROUGH	OBLIGATED BY THIS ACTION:				N/A	TOTAL OBLIGATED ON AWARD:				18. PERIOD OF PERFORMANCE	FUTURE FUNDING:				16-MAY-11 THROUGH	GRANT TOTAL:			\$698,413.00	31-DEC-15
16. FUNDING	ACTIVITY/AGENCY SHARE	RECIPIENT SHARE	TOTAL	17. CURRENT FUNDING PERIOD																															
PREVIOUSLY OBLIGATED:				N/A THROUGH																															
OBLIGATED BY THIS ACTION:				N/A																															
TOTAL OBLIGATED ON AWARD:				18. PERIOD OF PERFORMANCE																															
FUTURE FUNDING:				16-MAY-11 THROUGH																															
GRANT TOTAL:			\$698,413.00	31-DEC-15																															
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)																																			
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: ROBERT J. ADAMS		21. TECHNICAL REPRESENTATIVE 21a. NAME: Steven J. Russell		21b. CODE: ONR 331																															
20b. TELEPHONE NUMBER: (859) 2571775		20c. EMAIL ADDRESS: rjadams@uky.edu		21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995																															
22. AWARDING OFFICE CONTACT 22a. NAME: John A. Chiappe		22b. CODE: ONR BD245		23a. ADMINISTRATIVE OFFICE: ONR REG. OFFICE CHICAGO-N62880 230 SOUTH DEARBORN, ROOM 380 CHICAGO, IL 60604-1595 PHONE: (312) 886-5423 FAX: (312) 353-2094																															
22c. ADDRESS: Office of Naval Research 230 SOUTH DEARBORN ROOM 380 CHICAGO, IL 60604-1595		22d. TELEPHONE NUMBER: (312) 886-1991		22e. EMAIL ADDRESS: JOHN.CHIAPPE@NAVY.MIL																															
24. SUBMIT PAYMENT REQUEST TO: Same as block #23a		25a. PAYING OFFICE: DFAS COLUMB. NORTH ENTL-HQ0337 COLUMBUS, OH 43218-2266		25b. CODE: HQ0337																															
26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995		26b. CODE: N00014																																	

AWARD NO. N00014-11-1-0625		AWARD/MODIFICATION		MODIFICATION NO. A00003	
27. SPECIAL INSTRUCTIONS See "Special Requirements" Attachment					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found as described below.					
DOCUMENT The following documents may be found at: http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx ONR Basic Research Grant - October 2010 Standard Terms and Conditions for Research Grants - June 2011 (Core) Standard Terms and Conditions for Research Grants - February 2011 (Agency Specific) UACC Acceptance C UAWA Award A					
30. OPTIONS		OPTION NO.	AMOUNT	PERIOD	
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE			COPIES
See block #21		Final Report is not required Interim Research Performance Report (As Required) with SF298			0 1
See block #23a		Report of Inventions and Subcontracts - DD 882 Final Report is not required Interim Research Performance Report (As Required) Final Federal Financial Status Report - SF425 - Including Line Item 11			1 0 1 1
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218		Final Report is not required Interim Research Performance Report (As Required) with SF298			0 1
See block #26a		Report of Inventions and Subcontracts - DD 882			1
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320		Final Report is not required Interim Research Performance Report (As Required) with SF298			0 1
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD			33a. SIGNATURE OF AWARDOFFICER 		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED		33b. NAME AND TITLE OF AWARD OFFICER John A. Chiappe	
				33c. DATE SIGNED 19-DEC-14	

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N00014-11-1-0625		2. SPIN (CRITICAL) A00003		3. MOD (CRITICAL) A00003		4. PR NUMBER 15PR01330-02											
6. LINE OF ACCOUNTING		C. SUBHEAD (CRITICAL)		D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE		7. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN		
A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)										PROJ UNIT	MCC	PDI & SUF				
CLIN/SUN																	
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														PAGE TOTAL	\$.00		
														GRAND TOTAL	\$.00		

PREPARED/AUTHORIZED BY: _____
 DATE: _____

COMPTROLLER APPROVAL:
 FOR FISCAL DATA AND SIGNATURE
 BY _____
 DATE: _____

 for COMPTROLLER, ONR CONTRACT REVIEWED

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES


1. CONTRACT NUMBER (CRITICAL) N00014-11-1-0625		2. SPIN (CRITICAL)	3. MOD (CRITICAL) A00003	4. PR NUMBER 15PR01330-02	NAVY INTERNAL USE ONLY REF DOC/ACRN	
5. CLIN/SLN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION		8. AMOUNT (CRITICAL)		
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				PAGE TOTAL	\$. 00	
				GRAND TOTAL	\$. 00	
PREPARED/AUTHORIZED BY:		COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE		for COMPTROLLER ONR CONTRACT REVIEWED		
DATE:		BY		DATE:		

AWARD NO.
N00014-11-1-0625

SPECIAL REQUIREMENTS

MODIFICATION NO.
A00003


The purpose of this modification is to extend the period of performance of this award to December 31, 2015 at no additional cost to the Government. To other changes are to made to this award through this modification.


		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995	
				3b. CFDA: 12.300	
1. INSTRUMENT TYPE: Grant		2. AUTHORITY: 10 USC 2358, 31 USC 6304		3c. DUNS NUMBER:	
4. AWARD NO.: N00014-11-1-0625		5. MODIFICATION NO.: P00002		6. MODIFICATION TYPE: Increment	
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		10. PROPOSAL DATE: 04-APR-11	
11. ACTIVITY TYPE: lrs		12. PROGRAM TYPE: lrs		7. PR NO.: 13PR04771-00	
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION OFFICE OF GRANTS AND CONTRACTS 201 KINKHEAD HALL LEXINGTON, KY 40506-0057		13b. CAGE: 5B333		13c. EDI/EFT NUMBER: 1150AF	
13d. BUSINESS OFFICE CONTACT: Deborah Davis		13e. TELEPHONE NUMBER: (859) 257-9420		13f. EMAIL ADDRESS: ddavis@email.uky.edu	
14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13					
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Large Scale Topside Electromagnetic Modeling					
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE	
PREVIOUSLY OBLIGATED:					
OBLIGATED BY THIS ACTION:					
TOTAL OBLIGATED ON AWARD:					
FUTURE FUNDING:					
GRANT TOTAL:				\$927,539.00	
17. CURRENT FUNDING PERIOD N/A THROUGH N/A					
18. PERIOD OF PERFORMANCE 16-MAY-11 THROUGH 15-MAY-14					
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: ROBERT J. ADAMS		21. TECHNICAL REPRESENTATIVE 21a. NAME: Steven J. Russell		21b. CODE: ONR 331	
		21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995			
20b. TELEPHONE NUMBER: (859) 2571775		20c. EMAIL ADDRESS: rjadams@uky.edu		21d. TELEPHONE NUMBER: (703) 696-4714	
21e. EMAIL ADDRESS: RUSSELLS@ONR.NAVY.MIL		22. AWARDING OFFICE CONTACT 22a. NAME: Diane Gales		22b. CODE: ONR BD025	
22c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		23a. ADMINISTRATIVE OFFICE: ONR REG. OFFICE CHICAGO-N62880 230 SOUTH DEARBORN, ROOM 380 CHICAGO, IL 60604-1595 PHONE: (312) 886-5423 FAX: (312) 353-2094			
22d. TELEPHONE NUMBER: (703) 696-2593		22e. EMAIL ADDRESS: GALES@ONR.NAVY.MIL		23b. CODE: N62880	
24. SUBMIT PAYMENT REQUEST TO: Same as block #23a		25a. PAYING OFFICE: DFAS COLUMB-NAVY ACQ HQ0251 COLUMBUS, OH 43213		25b. CODE: HQ0251	
		25a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995		25b. CODE: N00014	

FINANCIAL ACCOUNTING DATA SHEET - NAVY

[illegible]

AWARD NO. N00014-11-1-0625	SPECIAL REQUIREMENTS	MODIFICATION NO. P00002	
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		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995	
				3b. CFDA: 12.300	
1. INSTRUMENT TYPE: Grant		2. AUTHORITY: 10 USC 2358, 31 USC 6304		3c. DUNS NUMBER:	
4. AWARD NO.: N00014-11-1-0625		5. MODIFICATION NO.: P00001		6. MODIFICATION TYPE: Increment	
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		7. PR NO.: 12PR06172-00	
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION OFFICE OF GRANTS AND CONTRACTS 201 KINKEAD HALL LEXINGTON, KY 40506-0057		13b. CAGE: 5B333		13c. EDI/EFT NUMBER: 1150AF	
13d. BUSINESS OFFICE CONTACT: Deborah Davis		13e. TELEPHONE NUMBER: (859) 257-9420		13f. EMAIL ADDRESS: ddavis@mail.uky.edu	
14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13					
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Large Scale Topside Electromagnetic Modeling					
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE	
PREVIOUSLY OBLIGATED:					
OBLIGATED BY THIS ACTION:					
TOTAL OBLIGATED ON AWARD:					
FUTURE FUNDING:					
GRANT TOTAL:				\$927,539.00	
17. CURRENT FUNDING PERIOD N/A THROUGH N/A					
18. PERIOD OF PERFORMANCE 16-MAY-11 THROUGH 15-MAY-14					
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: ROBERT J. ADAMS		21. TECHNICAL REPRESENTATIVE 21a. NAME: Steven J. Russell		21b. CODE: ONR 331	
		21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995			
20b. TELEPHONE NUMBER: (859) 2571775		20c. EMAIL ADDRESS: rjadame@uky.edu		21d. TELEPHONE NUMBER: (703) 696-4714	
22. AWARDING OFFICE CONTACT 22a. NAME: Diane Gales		22b. CODE: ONR BD025		21e. EMAIL ADDRESS: RUSSELLS@ONR.NAVY.MIL	
22c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		23a. ADMINISTRATIVE OFFICE: ONR REG. OFFICE CHICAGO-N62880 230 SOUTH DEARBORN, ROOM 380 CHICAGO, IL 60604-1595 PHONE: (312) 886-5423 FAX: (312) 353-2094			
22d. TELEPHONE NUMBER: (703) 696-2593		22e. EMAIL ADDRESS: GALES@ONR.NAVY.MIL		23b. CODE: N62880	
24. SUBMIT PAYMENT REQUEST TO: Same as block #23a		25a. PAYING OFFICE: DFAS COLUMB-NAVY ACQ HQ0251 COLUMBUS, OH 43213		25b. CODE: HQ0251	
		26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995			
		26b. CODE: N00014			

AWARD NO. N00014-11-1-0625		AWARD/MODIFICATION		MODIFICATION NO. P00001	
27. SPECIAL INSTRUCTIONS:					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found as described below.					
DOCUMENT					
The following documents may be found at: http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx					
UAAC Acceptance C November 2003 Agency Specific February 2011 UAWA Award A November 2003 Core June 2011					
30. OPTIONS	OPTION NO.	AMOUNT		PERIOD	
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE		COPIES	
See block #21		Final Report is not required		1	
		Interim Research Performance Report (As Required) with SF298		1	
See block #23a		Report of Inventions and Subcontracts - DD 882		1	
		Final Report is not required		1	
		Interim Research Performance Report (As Required)		1	
		Final Federal Financial Status Report - SF425 - Including Line Item 11		1	
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218		Final Report is not required		1	
		Interim Research Performance Report (As Required) with SF298		1	
See block #26a		Report of Inventions and Subcontracts - DD 882		1	
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320		Final Report is not required		1	
		Interim Research Performance Report (As Required) with SF298		1	
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD			33a. SIGNATURE OF AWARDOFFICER 		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED		33b. NAME AND TITLE OF AWARDOFFICER Ellen Simonoff	
				33c. DATE SIGNED 13-FEB-12	

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-11-1-0625		2. SPIIN (CRITICAL)	3. MOD (CRITICAL) P00001	4. PR NUMBER 12PR06172-00		
5. CLIN/SIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION			8. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOCACRN
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PAGE TOTAL						\$.00
GRAND TOTAL						\$.00
PREPARED/AUTHORIZED BY:		COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE				
DATE:		BY _____ for COMPTROLLER ONR CONTRACT REVIEWED DATE:				

AWARD NO. N00014-11-1-0625	SPECIAL REQUIREMENTS	MODIFICATION NO. P00001	
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